

Appl. No. 10/024,771
Amendment and/or Response
Reply to Office action of October 21, 2003

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Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims) is submitted herewith per 37 CFR 1.121. This claim listing replaces all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A cathode ray tube having a longitudinal axis, a phosphor screen, and an electron gun arranged around the longitudinal axis, wherein the electron gun comprises a triode part having three cathodes for generating a red electron beam, a green electron beam and a blue electron beam, a pre-focusing grid having a green beam aperture, a red beam aperture, and a blue beam aperture, and a focus lens part having at least two common grids with green beam, red beam and blue beam apertures arranged transversely to the longitudinal axis,

wherein the cathode for generating the green electron beam is offset from the longitudinal axis, and

wherein a green beam aperture in the focus lens is eccentric with respect to the green aperture in the pre-focusing grid; and

wherein the pre-focusing grid and the focus lens are configured such that a trajectory of the green electron beam has a kink adjacent the pre-focusing grid so as to pass through the focus lens.

2. (Currently amended) A cathode ray tube as claim in claim 1, wherein the green cathode lies in one plane with the red and the blue cathodes, said plane including the longitudinal axis.

3. (Previously presented) A cathode ray tube as claimed in claim 1, wherein the green cathode lies in one plane with the red and the blue cathode, said plane being parallel to, and spaced apart from, the longitudinal axis.

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4. (Currently amended) A cathode ray tube as claimed in claim 1, wherein the red and the blue cathodes lie in one plane, and ~~in that~~ wherein the green cathode is spaced apart from said plane.
5. (Previously presented) A cathode ray tube as claimed in claim 4, wherein said plane is parallel to, and spaced apart from, the longitudinal axis.
6. (Previously presented) A cathode ray tube as claimed in Claim 1, wherein the focus lens parts provide a kink in the trajectory of the green beam.
7. (Previously presented) A cathode ray tube as claimed in claim 6, wherein a first kink is produced in the area around the pre-focusing grid.
8. (Currently amended) A cathode ray tube as claimed in claim 6, wherein a second kink is produced in the area around ~~that~~ the focus lens parts.
9. (Previously presented) A cathode ray tube as claimed in claim 6, wherein a first kink is produced near a common grid and a second kink is produced near the pre-focusing grid.
10. (Currently amended) A cathode ray tube having a longitudinal axis, three cathodes for generating a red, a green and a blue electron beams, a pre-focusing grid having a red, green, and blue beam apertures, a common grid disposed between the three cathodes and the pre-focusing grid, and a focus lens having red, green, and blue apertures;
wherein the cathode for generating the green electron beam is offset from the longitudinal axis;
wherein a green beam aperture in the focus lens is eccentric with respect to the green aperture in the pre-focusing grid; and

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~~and~~ wherein a generated green electron beam trajectory has a kink adjacent the pre-focusing grid.

11. (Previously presented) A cathode ray tube according to claim 10, wherein the green electron beam trajectory has a kink adjacent the common grid.

12. (Previously presented) A cathode ray tube according to claim 11, wherein the green electron beam trajectory passes through the center of the focus lens.

13. (Previously presented) A cathode ray tube according to claim 10, wherein the green electron beam trajectory has a kink adjacent the focus lens.

14. (Cancelled)

15. (Previously presented) A cathode ray tube as claimed in claim 10 wherein the three cathodes lie in the same plane.

16. (Previously presented) A cathode ray tube as claimed in claim 10, wherein the cathode for producing the green beam is not coplanar with the cathodes for producing the red and blue beams.

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